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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/649,823	08/28/2003	Yi Yeol Lyu	3811-0123P	6641	
2292	7590 10/03/2005		EXAMINER		
BIRCH STE PO BOX 747	WART KOLASCH &	BOYER, CHARLES I			
	RCH, VA 22040-0747	ART UNIT	PAPER NUMBER		
	,		1751		

DATE MAILED: 10/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application No.		Applicant(s)				
		10/649,823 LYU ET AL.						
			Examiner		Art Unit			
			Charles I. Boyer		1751			
Period fo	The MAILING DATE of this communor Reply	nication appe	ears on the cove	er sheet with the co	orrespondence ac	idress		
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE IN nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comit or period for reply is specified above, the maximum so the to reply within the set or extended period for reply reply received by the Office later than three months ed patent term adjustment. See 37 CFR 1.704(b).	MAILING DA s of 37 CFR 1.136 munication. tatutory period wi y will, by statute, o	TE OF THIS C 6(a). In no event, how Il apply and will expire cause the application	OMMUNICATION vever, may a reply be time SIX (6) MONTHS from to become ABANDONED	ely filed the mailing date of this of (35 U.S.C. § 133).			
Status								
1)⊠	Responsive to communication(s) file	ed on <i>28 Au</i>	aust 2003.					
· · · · ·		Responsive to communication(s) filed on <u>28 August 2003</u> . This action is FINAL . 2b)⊠ This action is non-final.						
3)	Since this application is in condition	<i>,</i> —			secution as to the	e merits is		
٠,۵	closed in accordance with the pract		•	•				
Dispositi	ion of Claims			·				
4)⊠	Claim(s) 1-11 is/are pending in the	application.						
*	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
•	Claim(s) is/are rejected.							
	Claim(s) is/are objected to.							
• —	Claim(s) <u>1-11</u> are subject to restricti	ion and/or el	ection requiren	nent.				
Applicati	on Papers			·				
_	The specification is objected to by th	e Evaminer						
•	The drawing(s) filed on is/are			iected to by the E	xaminer.			
. • / 🗀	Applicant may not request that any obje	•		-				
	Replacement drawing sheet(s) including			-		FR 1.121(d).		
11) 🔲	The oath or declaration is objected to	-	•					
Priority u	ınder 35 U.S.C. § 119	•						
12)	Acknowledgment is made of a claim	for foreign r	oriority under 3!	5 U.S.C. & 119(a)-	(d) or (f)			
-	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
/-	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment	t(s)							
_	e of References Cited (PTO-892)		4)	Interview Summary (PTO-413)			
2) 🔲 Notic	e of Draftsperson's Patent Drawing Review (F		Paper No(s)/Mail Date					
	nation Disclosure Statement(s) (PTO-1449 or No(s)/Mail Date	PTO/SB/08)	5) <u> </u>	Notice of Informal Pa Other:	tent Application (PTC	J-152)		

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claim 1, drawn to a Gemini surfactant, classified in class 510, subclass
 466.
 - II. Claim 2, drawn to a method of preparing a Gemini surfactant, classified in class 510, subclass 504.
 - III. Claims 3-11, drawn to a method for preparing a mesoporous material, classified in class 510, subclass 507.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the method could be used to quaternize a variety of different compounds.
- 3. Inventions II and III are related as process of making and process of using the product. The use as claimed cannot be practiced with a materially different product. Since the product is not allowable, restriction is proper between said method of making and method of using. The product claim will be examined along with the elected invention (MPEP § 806.05(i)).

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4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

5. A telephone call was made to James Eller on June 16, 2005 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles I. Boyer whose telephone number is 571 272 1311. The examiner can normally be reached on M-F 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571 272 1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Charles I Boyer Primary Examiner Art Unit 1751